

## Most recent articles on MMP (matrix metalloproteinases) in breast cancer

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Role of COX-2 in epithelial-stromal cell interactions and progression of ductal carcinoma in situ of the breast.

Hu M, Peluffo G, Chen H, Gelman R, Schnitt S, Polyak K.  
Proc Natl Acad Sci U S A. 2009 Mar 3;106(9):3372-7.

Matrix Metalloproteinase-2 involvement in breast cancer progression: a mini-review.

Jeziarska A, Motyl T.  
Med Sci Monit. 2009 Feb;15(2):RA32-40.

Gene expression profiling of the tumor microenvironment during breast cancer progression.

Ma XJ, Dahiya S, Richardson E, Erlander M, Sgroi DC.  
Breast Cancer Res. 2009 Feb 2;11(1):R7.

Matrilysin (MMP-7) cleaves C-type lectin domain family 3 member A (CLEC3A) on tumor cell surface and modulates its cell adhesion activity.

Tsunezumi J, Higashi S, Miyazaki K.  
J Cell Biochem. 2009 Mar 1;106(4):693-702.

Novel multicellular organotypic models of normal and malignant breast: tools for dissecting the role of the microenvironment in breast cancer progression.

Holliday DL, Brouillette KT, Markert A, Gordon LA, Jones JL.  
Breast Cancer Res. 2009 Jan 19;11(1):R3.

Correlation between MMPs and their inhibitors in breast cancer tumor tissue specimens and in cell lines with different metastatic potential.

Figueira RC, Gomes LR, Neto JS, Silva FC, Silva ID, Sogayar MC.  
BMC Cancer. 2009 Jan 14;9:20.

Toll-like receptor 2 mediates invasion via activating NF-kappaB in MDA-

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MB-231 breast cancer cells.

Xie W, Wang Y, Huang Y, Yang H, Wang J, Hu Z.

Biochem Biophys Res Commun. 2009 Feb 20;379(4):1027-32.

Molecular mechanisms of nitric oxide-dependent inhibition of TPA-induced matrix metalloproteinase-9 (MMP-9) in MCF-7 cells.

Jespersen C, Doller A, Akool el-S, Bachmann M, Müller R, Gutwein P, Mühl H, Pfeilschifter J, Eberhardt W.

J Cell Physiol. 2009 May;219(2):276-87.

Comparative clinical and transcriptomal profiles of breast cancer between French and South Mediterranean patients show minor but significant biological differences.

Chalabi N, Bernard-Gallon DJ, Bignon YJ; Breast Med Consortium, Kwiatkowski F, Agier M, Vidal V, Laplace-Chabaud V, Sylvain-Vidal V, Bertholet V, De Longueville F, Lacroix M, Leclercq G, Remacle J, Sibille C, Zammateo N, Ben Jaafar N, Sefiani A, Ouldin K, Mégarbané K, Jalkh N, Mahfoudh W, Troudi W, Ben Ammar-El Gaïed A, Chouchane L. Cancer Genomics Proteomics. 2008 Sep-Oct;5(5):253-61.

Leptin utilizes Jun N-terminal kinases to stimulate the invasion of MCF-7 breast cancer cells.

McMurtry V, Simeone AM, Nieves-Alicea R, Tari AM.

Clin Exp Metastasis. 2009;26(3):197-204.

A gene expression signature that defines breast cancer metastases.

Ellsworth RE, Seebach J, Field LA, Heckman C, Kane J, Hooke JA, Love B, Shriver CD.

Clin Exp Metastasis. 2009;26(3):205-13.

Development of an optimized activatable MMP-14 targeted SPECT imaging probe.

Watkins GA, Jones EF, Scott Shell M, VanBrocklin HF, Pan MH, Hanrahan SM, Feng JJ, He J, Sounni NE, Dill KA, Contag CH, Coussens LM, Franc BL.

Bioorg Med Chem. 2009 Jan 15;17(2):653-9.

Multifunctional effect of epigallocatechin-3-gallate (EGCG) in downregulation of gelatinase-A (MMP-2) in human breast cancer cell line MCF-7.

Sen T, Mouluk S, Dutta A, Choudhury PR, Banerji A, Das S, Roy M, Chatterjee A.

Life Sci. 2009 Feb 13;84(7-8):194-204.

The influence of genetic variation in 30 selected genes on the clinical characteristics of early onset breast cancer.

Tapper W, Hammond V, Gerty S, Ennis S, Simmonds P, Collins A; Prospective study of Outcomes in Sporadic versus Hereditary breast cancer (POSH) Steering Group, Eccles D.

Breast Cancer Res. 2008;10(6):R108.

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Indole-3-carbinol inhibits Sp1-induced matrix metalloproteinase-2 expression to attenuate migration and invasion of breast cancer cells.

Hung WC, Chang HC.

J Agric Food Chem. 2009 Jan 14;57(1):76-82.

Berberine suppresses TNF-alpha-induced MMP-9 and cell invasion through inhibition of AP-1 activity in MDA-MB-231 human breast cancer cells.

Kim S, Choi JH, Kim JB, Nam SJ, Yang JH, Kim JH, Lee JE.

Molecules. 2008 Dec 3;13(12):2975-85.

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